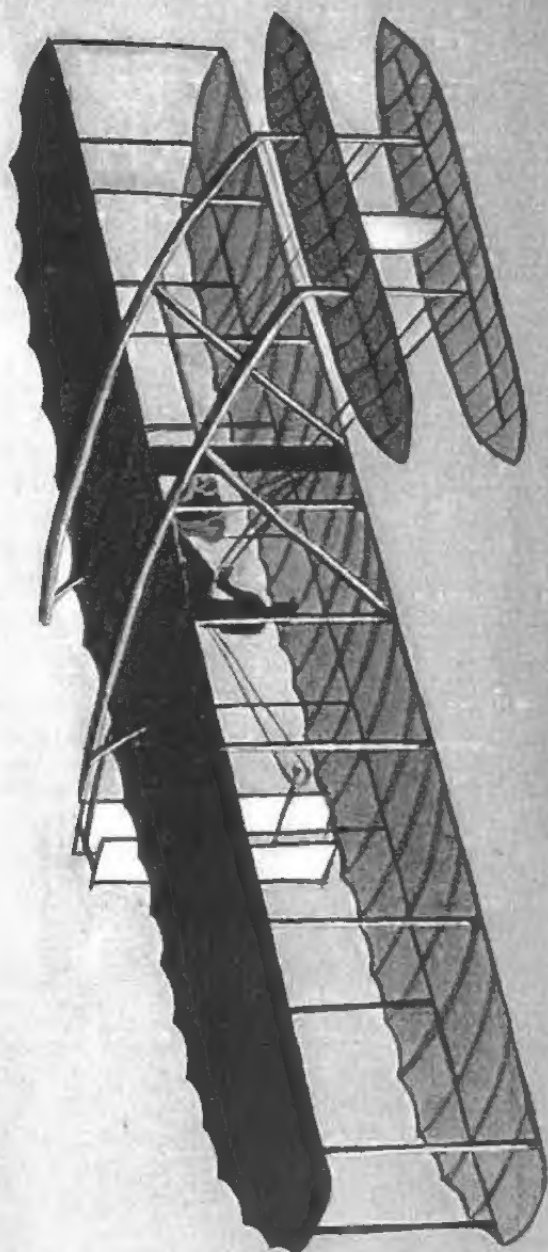
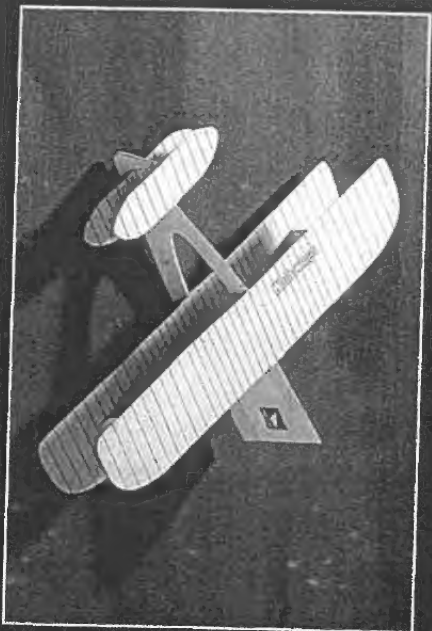


Eddie Bauer HISTORY OF FLIGHT

by **WhiteWings**

Designed by Dr. Y. Ninomiya

15 EXCELLENT
PAPER
AIRPLANES



Eddie Bauer®

HISTORY OF FLIGHT

WhiteWings

15 EXCELLENT
PAPER AIRPLANES

ASSEMBLY KIT INCLUDES:

15 paper patterns, ready to cut and assemble
Instruction booklet with step by step assembly, flight and design instructions

Rubber band
Catapult

All necessary parts
(glue not included)

FLIGHT SAFETY
Remember to launch planes in a large area, away from people and passing cars.

OUR GUARANTEE
Every item we sell will give you complete satisfaction or you may return it for a full refund.

ITEM NO. 22321



Wright Flyer 1903



Bl-Plane 1904



Spirit of St. Louis 1927



Winnie Mae 1927



Strega 1939



P-51D Mustang 1945



C130 Hercules 1951



Phantom II 1958



513 Meadowlark 1982



305 Wilbur 1984



702 Rickenbacker 1984



512 Finch 1985



522 Richard 1986



304 Thrasher 1987



Panorama 1990

Made exclusively for Eddie Bauer by **AG** Industry Co. Ltd. Osaka, Japan. Design patent pending. Printed in Japan. © Yasuaki Ninomiya 1991.
All rights reserved. Reproduction prohibited. Cover illustration © 1992 by Paula Gill.

WhiteWings®

ASSEMBLY INSTRUCTIONS

FLIGHT INSTRUCTIONS

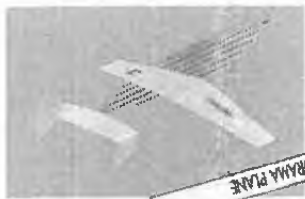
GUIDELINE FOR WHITEWINGS COMPETITION

INTRODUCTION TO PAPER PLANE DESIGN

HOW TO BUILD "WHITEWINGS"



Edie Bauer



P. 59
PANAVIA PLANE



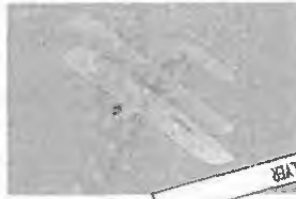
P. 58
McDonnell Douglas PHANTOM II



P. 57
STEARMAN



P. 56
Lockheed C-130 HERCULES



P. 54
WRIGHT FLYER



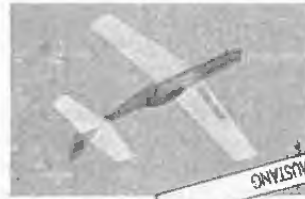
P. 52
WWI MAE



P. 50
Spirit of St. Louis



P. 48
Biplane



P. 47
P-51D MUSTANG



P. 46
T-6 TEXAN



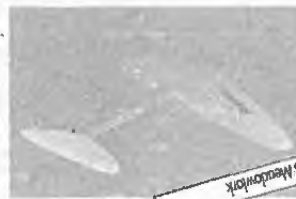
P. 42
Light Plane 305 WARBLER



P. 41
Light Plane 304 THRASHER



P. 38
Piper 522 RICHARD



P. 37
Piper 513 MEADOWLARK



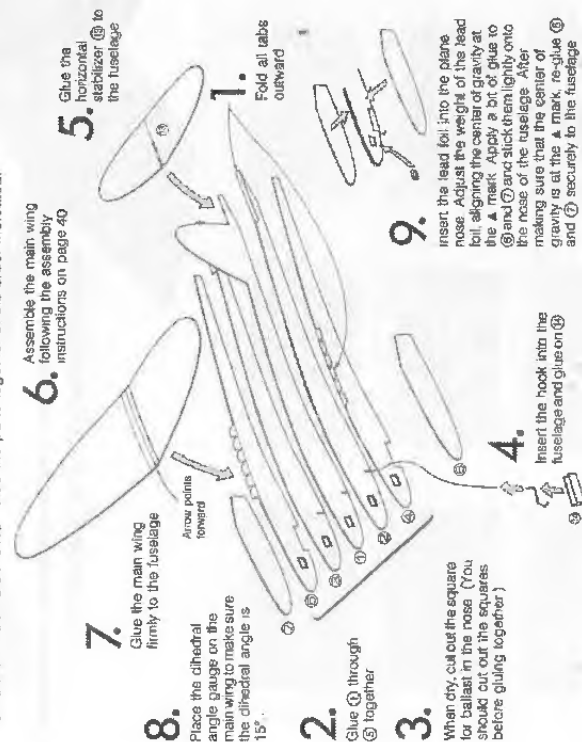
P. 36
Piper 512 FINCH

HOW TO BUILD "WHITEWINGS"

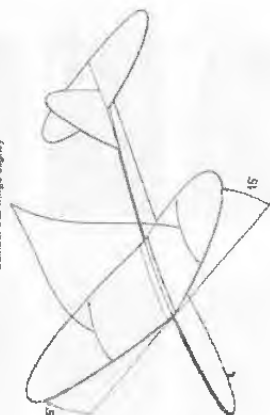


WhiteWings Racer 512 Finch

GLUING INSTRUCTIONS Glue the parts together in the order indicated.



Camber the wings slightly



FINISHING TOUCHES

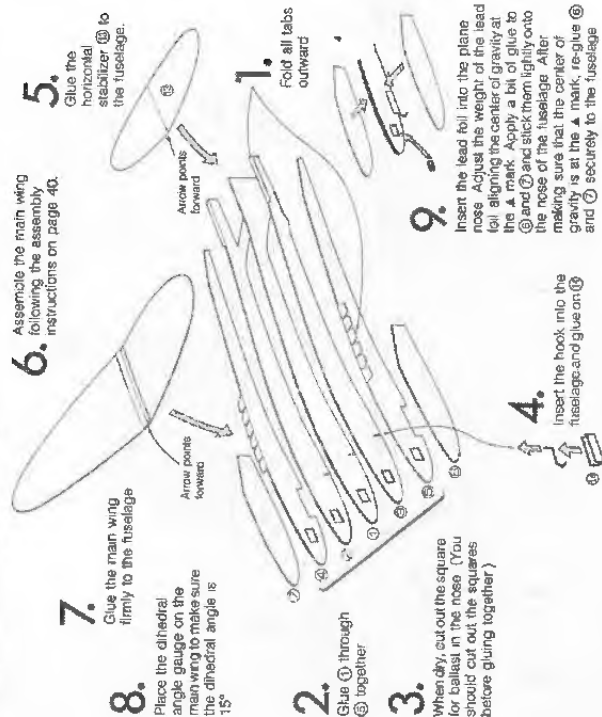
- Give finishing touches to the plane after it dries thoroughly
- 10. Camber the main wings carefully with your fingers
- 11. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

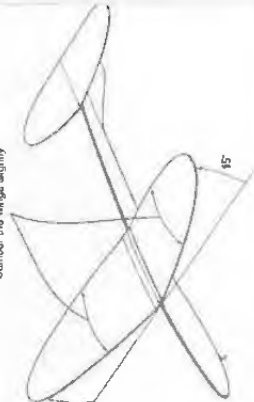
- Test fly the plane according to Test Flight instructions on pages 11 to 13.

WhiteWings Racer 513 Meadowlark

GLUING INSTRUCTIONS Glue the parts together in the order indicated.



Camber the wings slightly



FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly
- 10. Camber the main wings carefully with your fingers
- 11. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13.

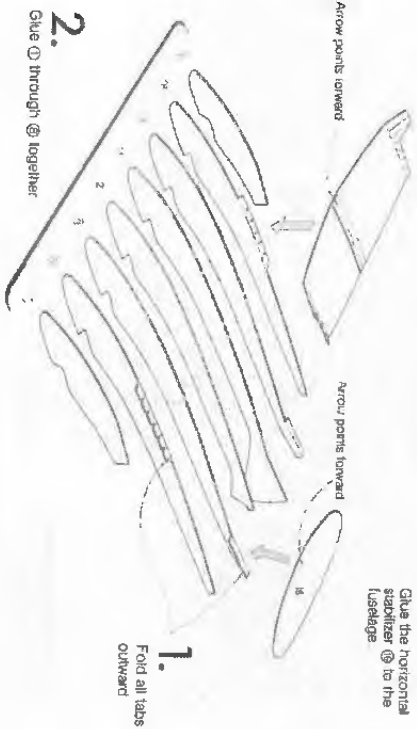
White Wings

Racer 522 RICHARD

GLUING INSTRUCTIONS

Richard La Berg, 1890-1949
Though his career was abbreviated, Richard soon established himself as a squadron leader and an ace flyer during World War I. He was awarded the Medal of Honor for his efforts during the war and is remembered for his gallery

4. Assemble the middle part of the wing with (a), (b), (c) and (d) following the assembly instructions 1-7 on page 40, starting with step D. The dihedral angle, however, must be 5°. Be careful as the part numbers for the main wing are different from those listed on page 40.
5. Glue the middle part of the main wing firmly to the fuselage.



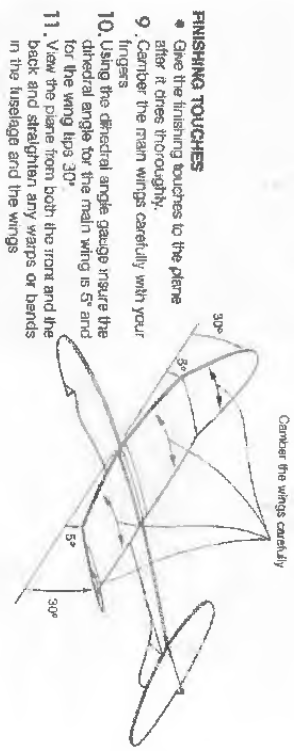
3. Glue the horizontal stabilizer (1) to the fuselage.

6. Place the dihedral angle gauge on the main wing to make sure the dihedral angle is 5°.



7. Camber both wing tips (a) and (b). Fold tabs on both ends of the main wing to form a 30° dihedral angle using the gauge and then camber them as well.

8. Apply glue to the top surface of the folded tabs of the main wing. Attach wing tips (c) and (d) respectively. Once again, check that the dihedral angle at the tip of the wing is 30°, using the gauge.



FINISHING TOUCHES

9. Give the finishing touches to the plane after it dries thoroughly.
10. Camber the main wings carefully with your fingers.
11. Using the dihedral angle gauge, make the dihedral angle for the main wing is 5° and for the wing tips 30°.
12. View the plane from both the front and the back and straighten any warps or bends in the fuselage and the wings.

TEST FLIGHT

1. Test fly the plane according to the Test Flight instructions on pages 11 to 13.

WhiteWings

ASSEMBLY INSTRUCTIONS FOR THE MOST WINGS

The racer type planes in this kit have a high performance main wing featuring a uniform camber along the length of the wing. Because the shape of the central part of the wing resembles a so-called saddle shaped surface in math, I call this type of wing a MOST (Modified Saddle Type) wing. It is constructed as follows.

CAUTION 1

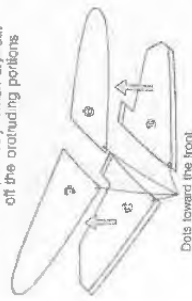
The part numbers used below are for the Racer 512 and 513. As the part numbers and dihedral angle may change according to the model, be careful when you use these instructions for other models.

CAUTION 2

When constructing the Racer 522 start with step 0.

■ Glue the parts together in the order indicated.

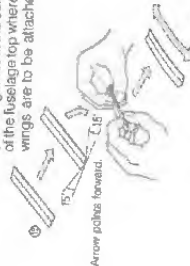
1. Glue parts ⑤ and ⑥ to the undersides of parts ③ and ④ respectively. When dry, cut off the protruding portions.



Arrows point forward.

2.

Using a ruler along the center line, fold part ③ from the center line to make a 15° angle on both sides. Then curve it carefully with your fingers to fit the curved edge of the fuselage top where the main wings are to be attached.



Arrows point forward.

3.

Curve the main wings, ③ + ④ and ⑤ + ⑥ respectively, in the manner shown in the figure on page 9. This curve is called camber.



Arrows point forward.

4.

Apply glue on half of the underside of ③ and glue onto ⑤ + ⑥. (The arrow should point toward the dot.)



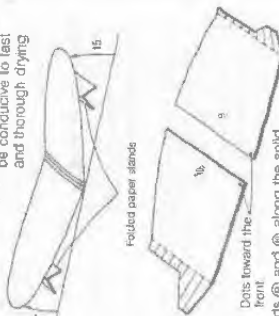
5.

In the same manner as in 4, attach ③ + ④ to the other side of ⑤.



6. Placing the dihedral angle gauge on the main wing check that the dihedral angle is 15°.

7. Putting folded stands under the main wing will be conducive to fast and thorough drying.



0.

Cut parts ⑧ and ⑨ along the solid lines up to the dashed lines. Then placing a ruler along the dashed line, bend the resulting strips slightly upward.

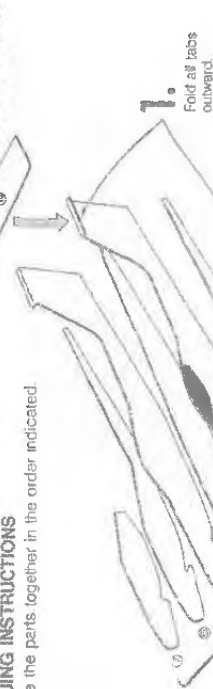
WhiteWings

Light Plane 304 Thrasher

GLUING INSTRUCTIONS

Glue the parts together in the order indicated.

4. Glue the horizontal stabilizer ⑩ to the top of the vertical stabilizer.



Arrow points forward.

2.

Glue ① through ⑦ together.

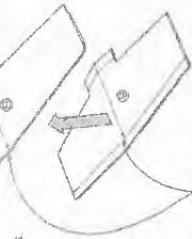


*NOTE:

You can find the center line of the bottom side of the main wing by folding it slightly. Alternatively, you can do this more precisely by making a pinhole at the either end of the center line on the top side of the main wing and then using the pinholes to draw the center line on the bottom side.

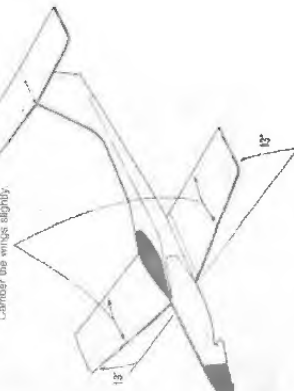
5.

Placing a ruler along the center line of the main wing, make an approximately 13° dihedral angle and glue it firmly to the fuselage*.



Arrows point forward.

Camber the wings slightly.



FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly.
6. Camber the main wings slightly with your fingers.
7. Using the dihedral angle gauge make sure the dihedral angle is 13°.
8. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13.

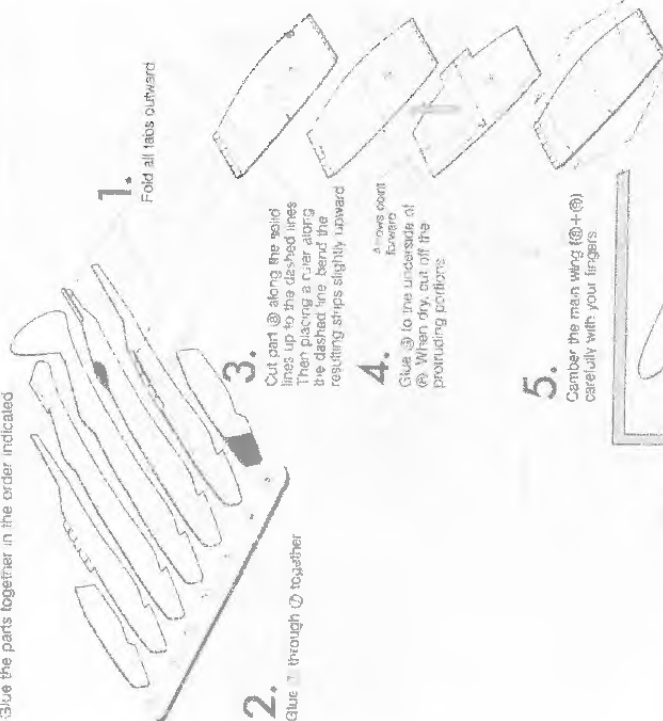
WhiteWings

Light Plane 305 WILBUR

GLUING INSTRUCTIONS

Glue the parts together in the order indicated

WILBUR WRIGHT (1867-1912)
The pioneer of American aviation experimented with wing and plane before engineering the first successful flight of a motor powered airplane. He was posthumously elected, as was brother Orville, to the American Hall of Fame.



1. Fold all tabs outward

2. Glue 1 through 5 together

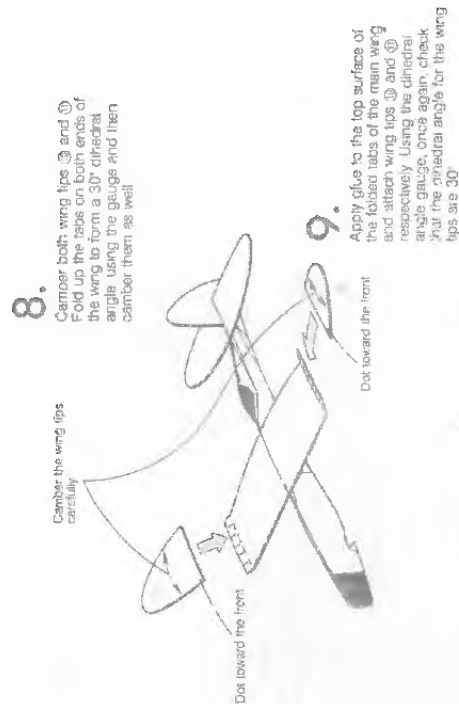
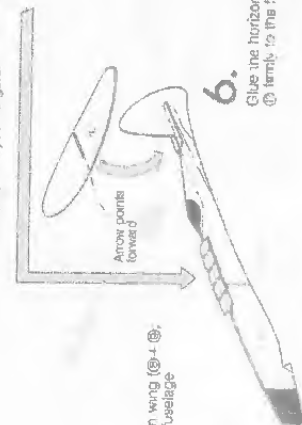
3. Cut part 3 along the solid lines up to the dashed lines. Then placing a ruler along the dashed line, bend the resulting strips slightly upward.

4. Glue 3 to the underside of 5. When dry, cut off the protruding portions.

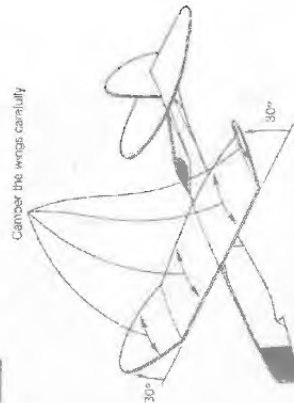
5. Camber the main wing (3+4) carefully with your fingers.

7. Glue the main wing (3+4) firmly to the fuselage.

6. Glue the horizontal stabilizer 6 firmly to the fuselage.



9. Apply glue to the top surface of the folded tabs of the main wing and attach wing tips 8 and 9 respectively. Using the dihedral angle gauge, once again, check that the dihedral angle for the wing tips are 30°.



FINISHING TOUCHES

- Give the finishing touches to the plane after it dries thoroughly.
- Camber the main wings carefully with your fingers.
- Using the dihedral angle gauge make sure the dihedral angle for the wing tips are 30°.
- View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

- Test fly the plane according to the Test Flight instructions on pages 11 to 13.

White Wines

A truly high performance paper plane is light, sturdy and has little air resistance or drag. This is especially true of larger paper airplanes. That is why I have spent some time researching and designing a fuselage that accommodates the body construction of a larger paper airplane. The result of these efforts was the invention of the triangular long fuselage which is resistant to bending and twisting. Its aerodynamic performance makes it worthy of the Whiteings' name.



The triangular long fuselage is resistant to both bending and twisting.



Common ordinary
Table knife

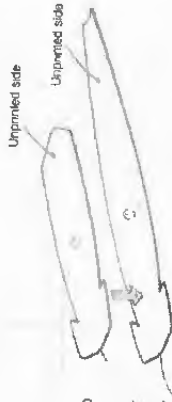
Make firm creases along the dashed lines.

- 1999

Make firm creases along the dashed lines of fuselage pieces (C) & (D) using a common ordinary table knife (blunt knife) and a ruler as a guide. Avoid cutting through the dashed lines.

- 2

Spread glue evenly over the entire surface of printed side of **2**. Apply **3** to the unprinted side of **2**. Make very sure that the edges of **3** and **2** that form the plane nose are placed together evenly or flush, as shown in the diagram.



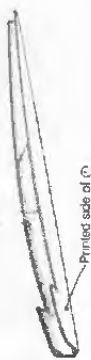
apis pāyudū

Unprinted side

Make very sure that the edges of the segments are placed together exactly.

- 3

Before the glue dries, fold ① and ② along the creased dashed lines having ② face inward. Then spread glue along the inner edges as shown.

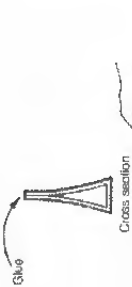


Spread glue along the inner edges

Printed side of C

-

stitch the inner edges together to complete the formation of the cross section as shown



Cross section

inner sides also draw
up water or food.

- 10

view the fuselage closely from both the front and back and carefully straighten any warps or bends before the glue dries. Look inside of the fuselage to make sure the inner slides also draw no warps or bends.



Brand

Core carbon

- 6.

Let the fuselage dry completely by attaching clips or clothespins on the glued edges as shown. It takes at least 2 hours to dry.



- 2.

Make a groove along the thick dashed line at the plane nose by carefully pressing down upon it with a ruler. The groove must be deeper at the tip of the plane nose than at any other part. The remaining area of the top of the package, except for the thick dashed line, should remain flat.



Butler

Cross section

- 88

Put glue into the groove at the tip of the plane nose and both inner sides of the plane nose and glue together and let dry thoroughly (at least 2 hours) using a clip to keep the tip of the nose place.



Gross section

- 9.

Completed Figure



WhiteWings

Trilinear 702 RICKENBACKER

Edward Vernon Rickenbacker (1890-1973).
Known as "Daddy" the American aviator entered with machine
began with automobile racing. He went on to command the 94th
Aero Pursuit Squadron and was awarded the Congressional
Medal of Honor for his combat heroes.

GLUING INSTRUCTIONS

Glue the parts together in the order indicated.

1. Assemble the fuselage following the assembly instructions for the triangular long fuselage on pages 44 & 45.
2. Place a ruler along each of the outer lines of the main wing and bend each side up individually to make a dihedral angle of approximately 15° for both sides of the main wing.
3. Glue the vertical stabilizer (③+④) to the gluing position for the fuselage. Make sure to align the folded tab line of the vertical stabilizer with the center line on the fuselage.
4. Fold the tab of the vertical stabilizer (③) to the gluing position for the horizontal stabilizer (⑤).
5. Glue the horizontal stabilizer (⑤) firmly to the gluing position for the horizontal stabilizer on the fuselage.
6. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.
7. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.
8. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.

FINISHING TOUCHES

9. Give the finishing touches to the plane after it dries thoroughly.
10. Camber the main wings carefully with your fingers.
11. Using the dihedral angle gauge make sure the dihedral angle for the main wing is 15°. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

- Test fly the plane according to the Test Flight instructions on pages 11 to 13.

WhiteWings

P-51D MUSTANG

GLUING INSTRUCTIONS

Glue the parts together in the order indicated.

1. Assemble the fuselage following the assembly instructions for the triangular long fuselage on pages 44 & 45.
2. Place a ruler along each of the outer lines of the main wing and bend each side up individually to make a dihedral angle of approximately 15° for both sides of the main wing.
3. Glue the vertical stabilizer (③+④) to the gluing position for the fuselage. Make sure to align the folded tab line of the vertical stabilizer with the center line on the fuselage.
4. Fold the tab of the vertical stabilizer (③) to the gluing position for the horizontal stabilizer (⑤).
5. Glue the horizontal stabilizer (⑤) firmly to the gluing position for the horizontal stabilizer on the fuselage.
6. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.
7. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.
8. Glue the main wing (②+③) firmly to the gluing position for the main wing on the fuselage. Make sure to align the center line of the main wing with the center line on the fuselage.
9. Give the finishing touches to the plane after it dries thoroughly.
10. Camber the main wings carefully with your fingers.
11. Using the dihedral angle gauge make sure the dihedral angle for the main wing is 15°. View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

FINISHING TOUCHES

9. Give finishing touches to the plane after it dries thoroughly.
10. Camber the main wings carefully with your fingers.
11. View the plane from the front and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13.

WhiteWings Bi-plane

GLUING INSTRUCTIONS

Glue the parts together in the order indicated

2.

Glue ① through ⑤ together. When dry, cut out the square for the tail in the nose. (You may cut out the squares before gluing together) if you choose to attach paper cone to the plane nose instead of inserting the lead foil, glue ① through ⑦ together

3.

Glue ⑧ to the underside of ⑨. When dry, cut off the protruding portions



1. Fold left tabs outward

5.

Placing a ruler along the center line of the main wing (⑩ + ⑪), make an approximately 5° dihedral angle and glue it firmly to the fuselage (See NOTE on page 41)

Arrows point forward

9. Glue ⑥ and ⑦ together and attach them to the wing in the same way as No. 8

7.

Glue ⑩, ⑪, and ⑫ together and attach them to the lower main wing in the same way as No. 8

8. Glue ⑬ and ⑭ together to make a pylon and glue the bottom of the pylon to the square in the middle of the wing

6. Glue ⑬, ⑭, and ⑮ together and attach them to the underside of the lower main wing, using the line on the wing as a guide

Fold the protruding front part of the tab over the top of the wing and glue on.

10. Place a ruler along the center line of the upper wing, and glue the dihedral ends of the main wing (⑩) not glue the rear part of the planes to the wing yet. View the wings from the top, bottom, back and front and make sure they are parallel

11.

When dry, glue the top part of the pylons to the underside of the wings

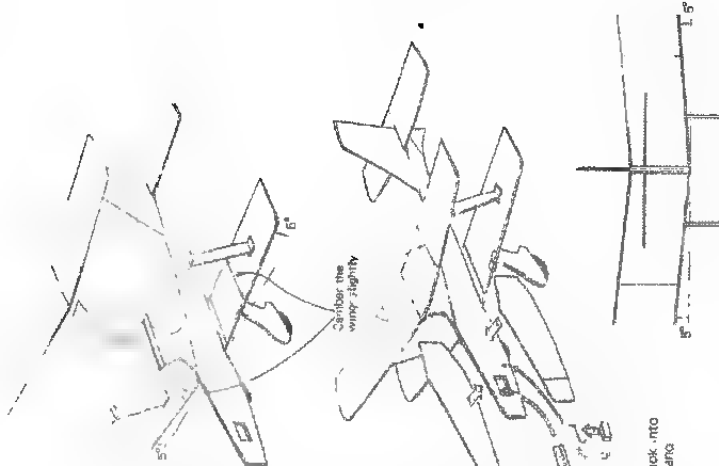
12.

Insert the lead foil into the plane nose. Adjust the weight of lead foil, aligning the center of gravity at the A mark. Apply a bit of glue to ⑬ and ⑭ and stick them tightly to the nose of the fuselage. Also insert the hook in the nose

13.

After making sure that the center of gravity is at the A mark, re-apply ⑬ and ⑭ securely to the fuselage

14. Insert the hook into the fuselage and glue on ⑮



FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly
- Carve the main wings carefully with your fingers
- View the plane from the front and straighten any warps or bends in the fuselage and wings

TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13

WhiteWings Spirit of St. Louis

GLUING INSTRUCTIONS

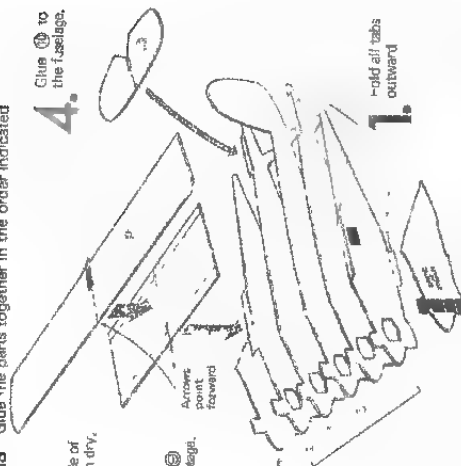
Glue the parts together in the order indicated

3. Glue ③ to the underside of the main wing ②. When dry, cut out the protruding portions.

5. Glue ⑤ + ⑥ to the fuselage.

2.

Glue ① through ④ together. When dry, cut out the square for tailset in the nose (You may cut out the square before gluing together.) If you choose to attach paper ties to the plane nose instead of hearing the lead foil, glue ① through ④ together.



8. Glue ⑧ + ⑨ + ⑩ to the main wing using the line on the wing as a guide.

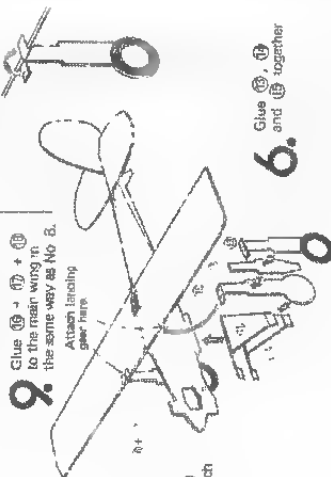
9. Glue ⑪ + ⑫ + ⑬ to the main wing in the same way as No. 8. Attach landing gear here.

7. Glue ⑭, ⑮, and ⑯ together.

10. Glue ⑰ and ⑱ together and attach to the fuselage.

6. Glue ⑲, ⑳, and ㉑ together.

1. Fold the protruding front part of the tab over the top of the wing and glue on.



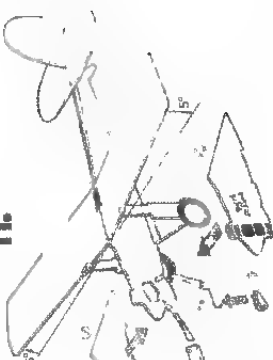
12. Glue both wheels to ㉒ + ㉓.

13. Insert the lead foil into the plane nose. Adjust the weight or lead foil, aligning the center of gravity at the A mark. Apply a bit of glue to ㉔ and ㉕ and insert them tightly onto the nose of the fuselage. Also insert the hook in the nose.

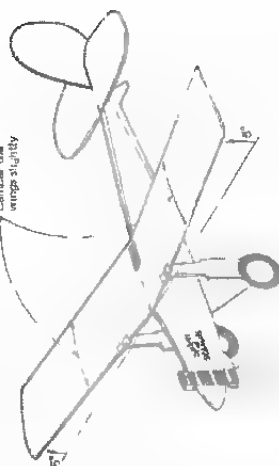
14. After making sure that the center of gravity is at the A mark, re-apply ㉔ and ㉕ securely to the fuselage.

15. Insert the hook into the fuselage and glue on ㉖.

11. Make a 5° dihedral angle.



16. Camber the wings slightly.



FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly.
- 16. Camber the main wings carefully with your fingers.
- 17. View the plane from the front and straighten any warps or bends in the fuselage and wings.

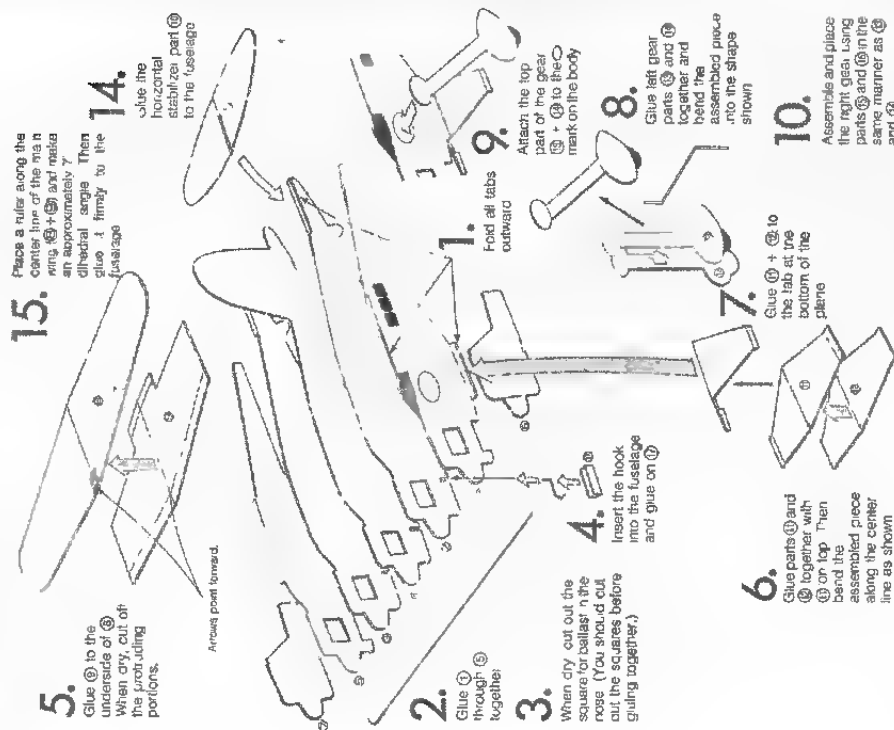
TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13.

Wingwings

"WINNIE MAE" (Lockheed VEGA)

GLUING INSTRUCTIONS Use the parts together in the order indicated



5.

Glue ⑥ to the underside of ④. When dry, cut off the protruding portions.

Arrow: point forward.

2.

Glue ① through ⑤ together.

3.

When dry, cut out the square for ballast in the nose. (You should cut out the squares before gluing together.)

4.

Insert the hook into the fuselage and glue on ⑦.

1.

Fold all tabs outward.

9.

Attach the top part of the gear ⑨ + ⑩ to the mark on the body.

8.

Glue left gear parts ③ and ④ together and bend the assembled piece into the shape shown.

10.

Assemble and place the right gear using parts ③ and ④ in the same manner as ⑧ and ⑩.

6.

Glue parts ① and ② together with ③ on top. Then bend the assembled piece along the center line as shown.

7.

Glue ⑥ + ⑦ to the tab at the bottom of the plane.

15.

Place a ruler along the center line of the main wing ③ + ④ and make an approximately 7° dihedral angle. Then glue it firmly to the fuselage.

14.

Glue the horizontal stabilizer part ⑭ to the fuselage.

11.

Apply the angle gauge to the bottom of part ⑪ + ⑫ and make the required angle of 20° as shown.

12.

Bend the gear parts ⑬ + ⑭ and ⑮ + ⑯ respectively at points A and B on both sides so that each part forms a 90° angle at the base with respect to the flat surface.

Center the wings slightly to the flat surface.

13.

Apply glue to the outside of the two tabs of part ⑪ + ⑫ and attach one to the inside of each gear as indicated.

16.

Insert the lead foil into the plane nose. Adjust the weight of lead foil aligning the center of gravity at the A mark. Apply a bit of glue to ⑥ and ⑦ and stick them lightly to the nose of the fuselage. After making sure that the center of gravity is at the A mark, re-glue ⑥ and ⑦ securely to the fuselage.

FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly.
- Carve the main wing slightly with your fingers.
- Use the dihedral angle gauge make sure the dihedral angle is 7°.
- View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

TEST FLIGHT

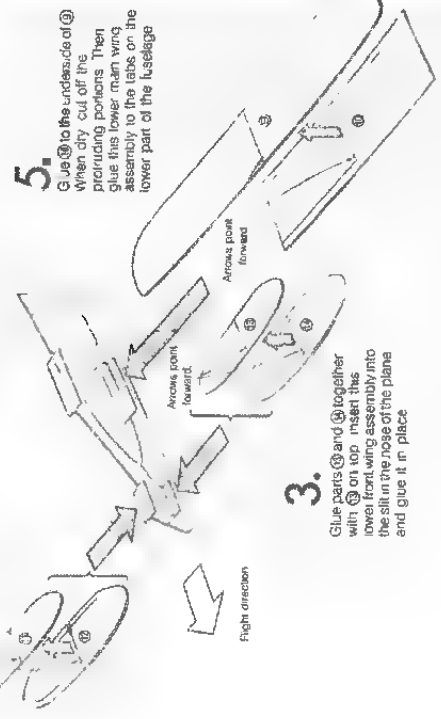
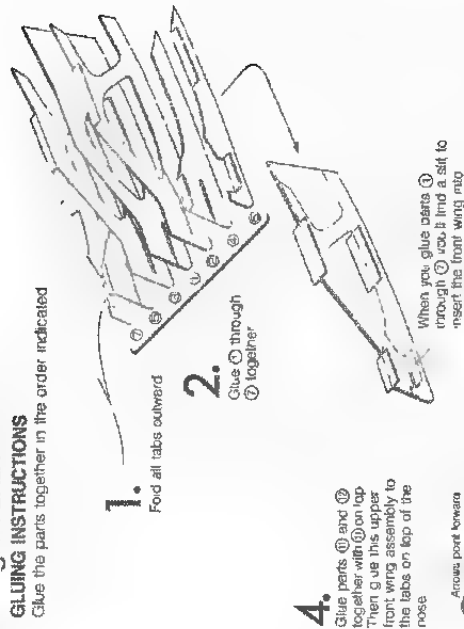
- Test fly the plane according to Test Flight instructions on pages 11 to 13.

"WINNIE MAE" is one of the Lockheed VEGAs which made many new records in the early 1930s. The plane's owner and dealer in Oklahoma, named it after his daughter Winnie Mae because well-known because the pilot Wiley Post achieved the World's record for fastest flight around the world both in 1931 and 1933.

WhiteWings Wright Flyer

GLUING INSTRUCTIONS

Glue the parts together in the order indicated



FINISHING TOUCHES

- Give finishing touches to the plane after it dries thoroughly
- Camber the main wing slightly with your fingers
- The dihedral angle is not needed
- When you fly this FLYER outdoors, attach one or two of the included paper clips on the plane nose. Make sure the center of gravity is at A mark. When you fly indoors, it's better to attach no clips to have floating and longer flights
- View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings.

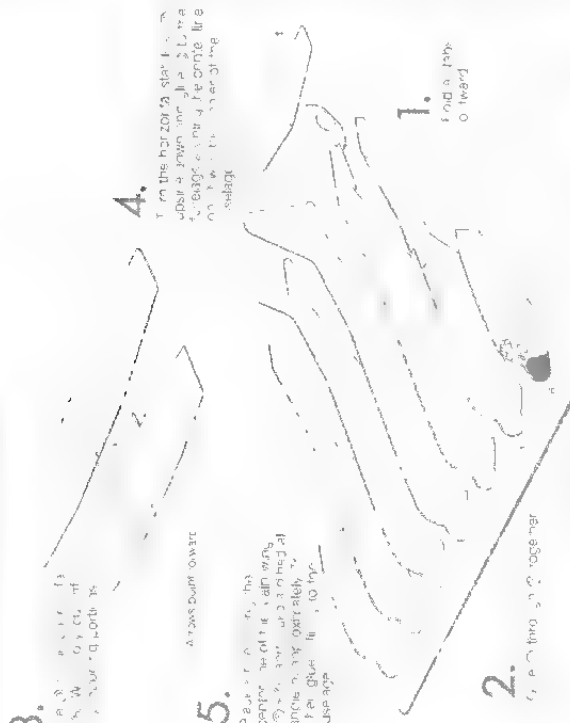
TEST FLIGHT

- Test fly the plane according to Test Flight instructions on pages 11 to 13 (Canard model). This plane is not suitable for catapult launch so always launch by hand

WhiteWings

Lockheed C130 HERCULES GLUING INSTRUCTIONS

1. The P-51 Mustang is the most common model used in the P-51 Mustang project.



FINISHING TOUCHES

1. Glue the fuselage to the wings after the wings are dry.
2. Glue the fuselage to the wings after the wings are dry.
3. Glue the fuselage to the wings after the wings are dry.
4. Glue the fuselage to the wings after the wings are dry.
5. Glue the fuselage to the wings after the wings are dry.

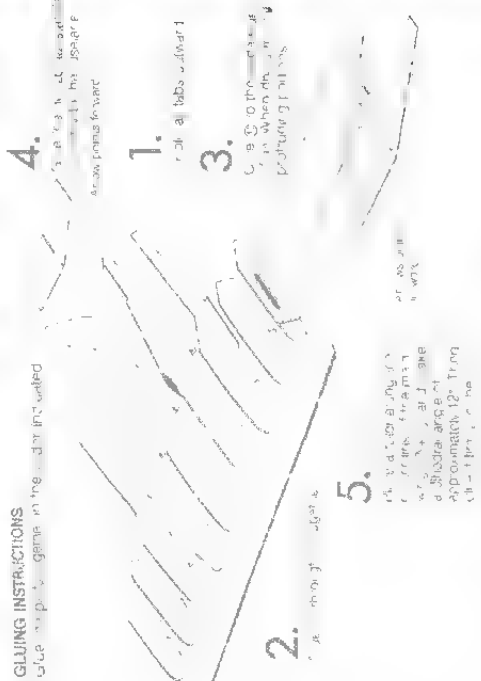
TEST FLIGHT

1. Test the fuselage after gluing to the wings.
2. Test the fuselage after gluing to the wings.
3. Test the fuselage after gluing to the wings.
4. Test the fuselage after gluing to the wings.
5. Test the fuselage after gluing to the wings.

WhiteWings

"STREGA" (Modified P-51 MUSTANG) GLUING INSTRUCTIONS

1. The P-51 Mustang is the most common model used in the P-51 Mustang project.



FINISHING TOUCHES

1. Glue the fuselage to the wings after the wings are dry.
2. Glue the fuselage to the wings after the wings are dry.
3. Glue the fuselage to the wings after the wings are dry.
4. Glue the fuselage to the wings after the wings are dry.
5. Glue the fuselage to the wings after the wings are dry.

TEST FLIGHT

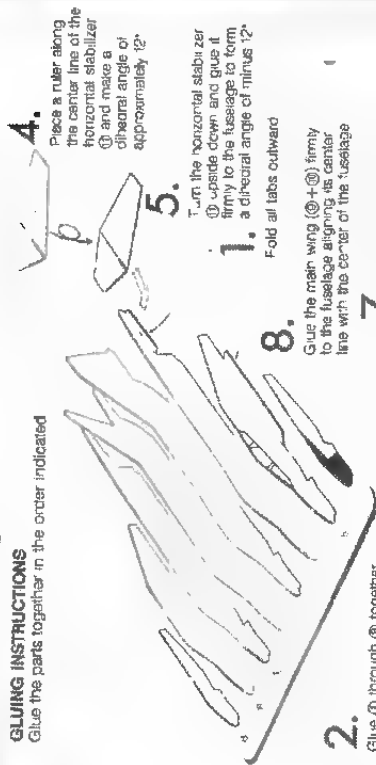
1. Test the fuselage after gluing to the wings.
2. Test the fuselage after gluing to the wings.
3. Test the fuselage after gluing to the wings.
4. Test the fuselage after gluing to the wings.
5. Test the fuselage after gluing to the wings.

WhiteWings

McDonnell Douglas PHANTOM II

GLUING INSTRUCTIONS

Glue the parts together in the order indicated



2.

Glue ① through ③ together

6.

Make a pinhole at both ends of the center line on the top side of the main wing. Turn the main wing over. Link the pinholes together with a ruler and draw a center line on the bottom side of the main wing

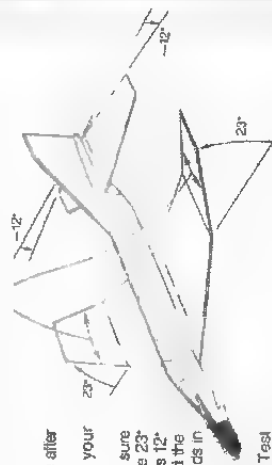
Arrows point forward

FINISHING TOUCHES

- Give the finishing touches to the plane after it dries thoroughly
- Camber the wings carefully with your fingers
- Using the dihedral angle gauge make sure the dihedral angle for the wing tips are 23° and for the horizontal stabilizer minus 12°
- View the plane from both the front and the back and straighten any warps or bends in the fuselage and wings

TEST FLIGHT

- Test fly the plane according to the Test Flight instructions on pages 11 to 13



WhiteWings

PANORAMA PLANE

—IMAGINE A PLANE DESIGNED SO THAT EVERYONE CAN HAVE A WINDOW SEAT—

GLUING INSTRUCTIONS

Glue the parts together in the order indicated

6.

Glue the tail section (⑥-H-H-H) firmly to the fuselage

5.

Glue the vertical stabilizers 11, and 12 to the tabs of the horizontal stabilizer 10, aligning the arrows on 11 and 12 with the folded tab lines of 10

4.

Fold both tabs of the horizontal stabilizer ⑩ as shown

3.

Glue ① to the underside of 10 when dry, cut off the protruding portions

7.

Placing a ruler along the center line of the main wing (18-19) bend each side up individually to make a dihedral angle of approximately 8° for both sides of the main wing. Then glue the main wing (18-19) firmly to the fuselage

2.

Glue 1 through 12 together as indicated in the diagram

1.

Fold all tabs outward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

Arrows point forward

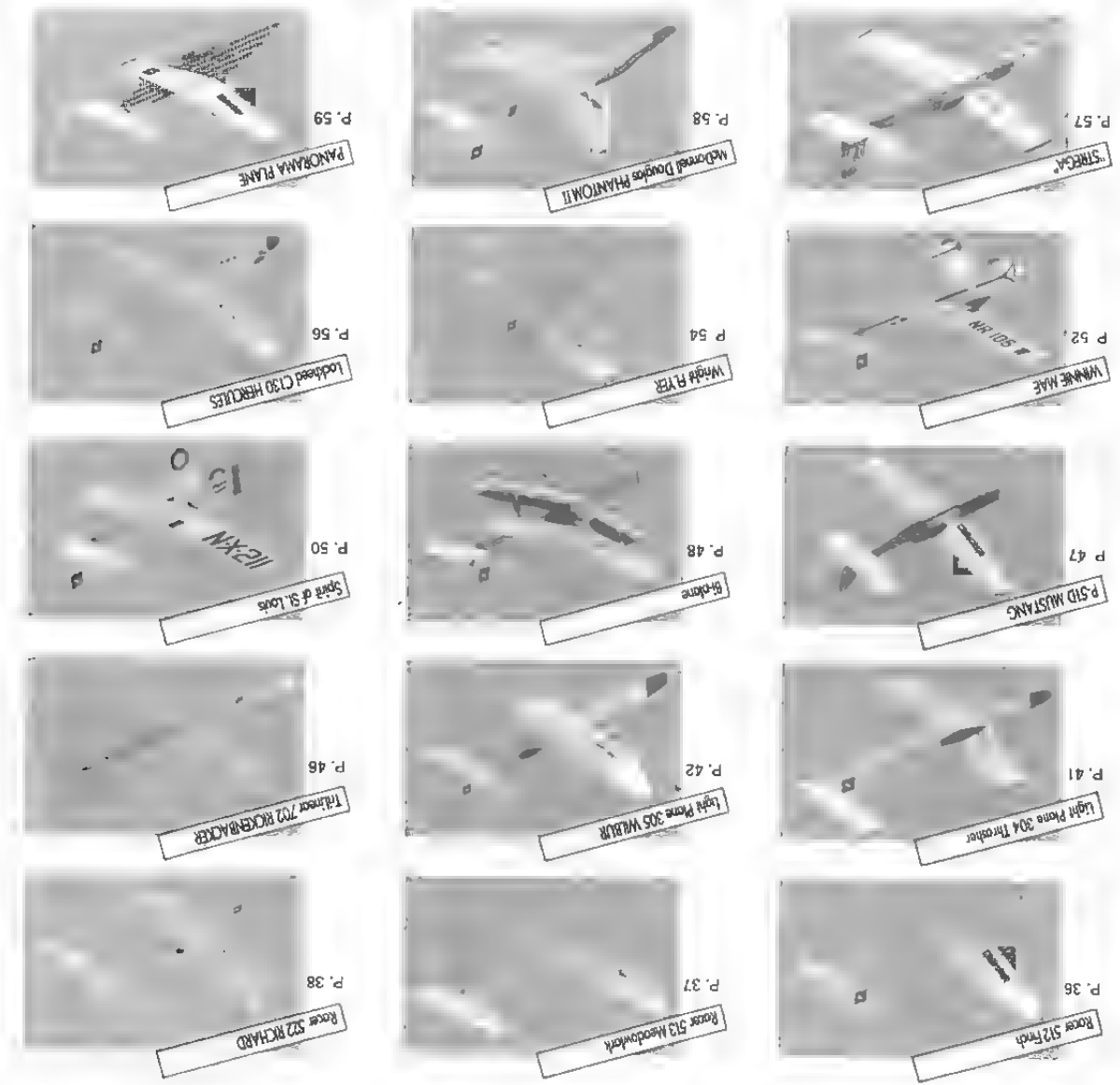
Arrows point forward

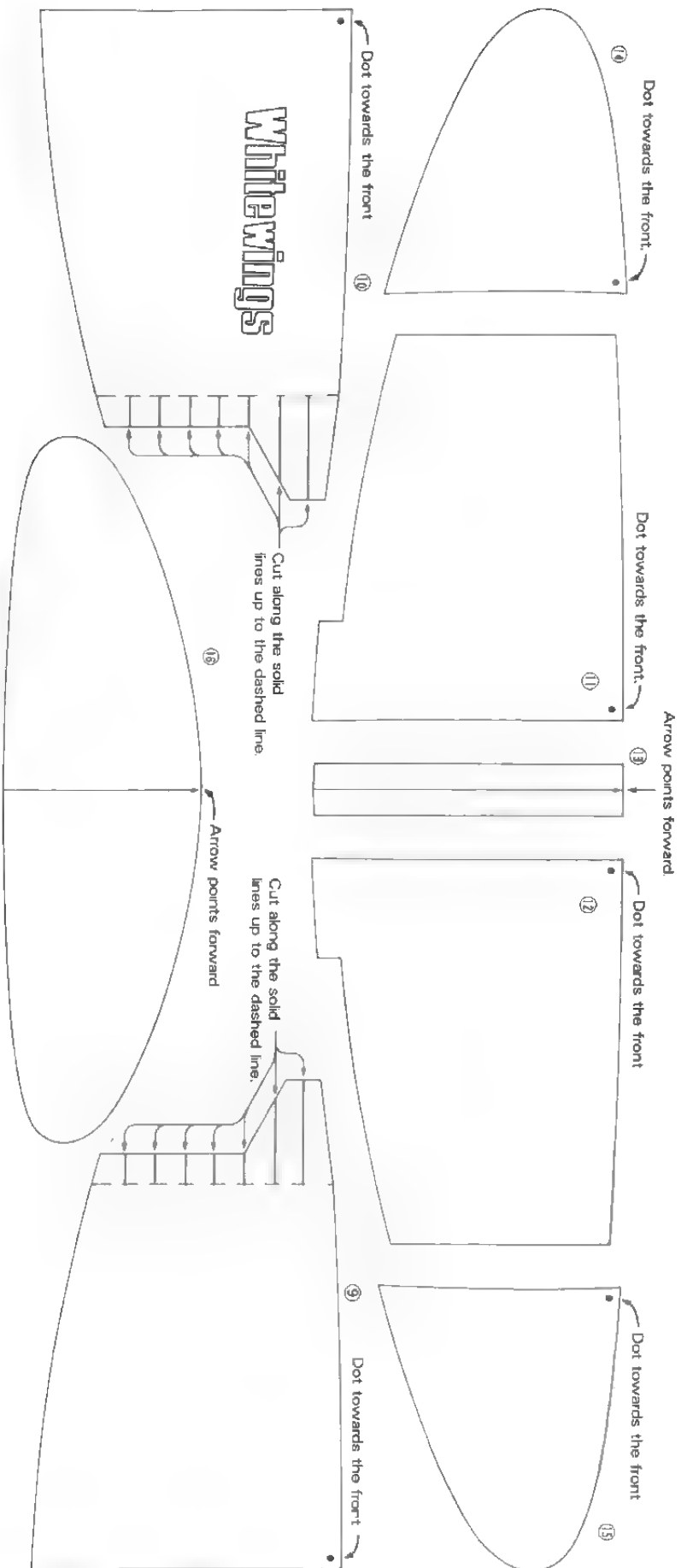
Arrows point forward

Arrows point forward



HOW TO BUILD "WHITEWINGS"

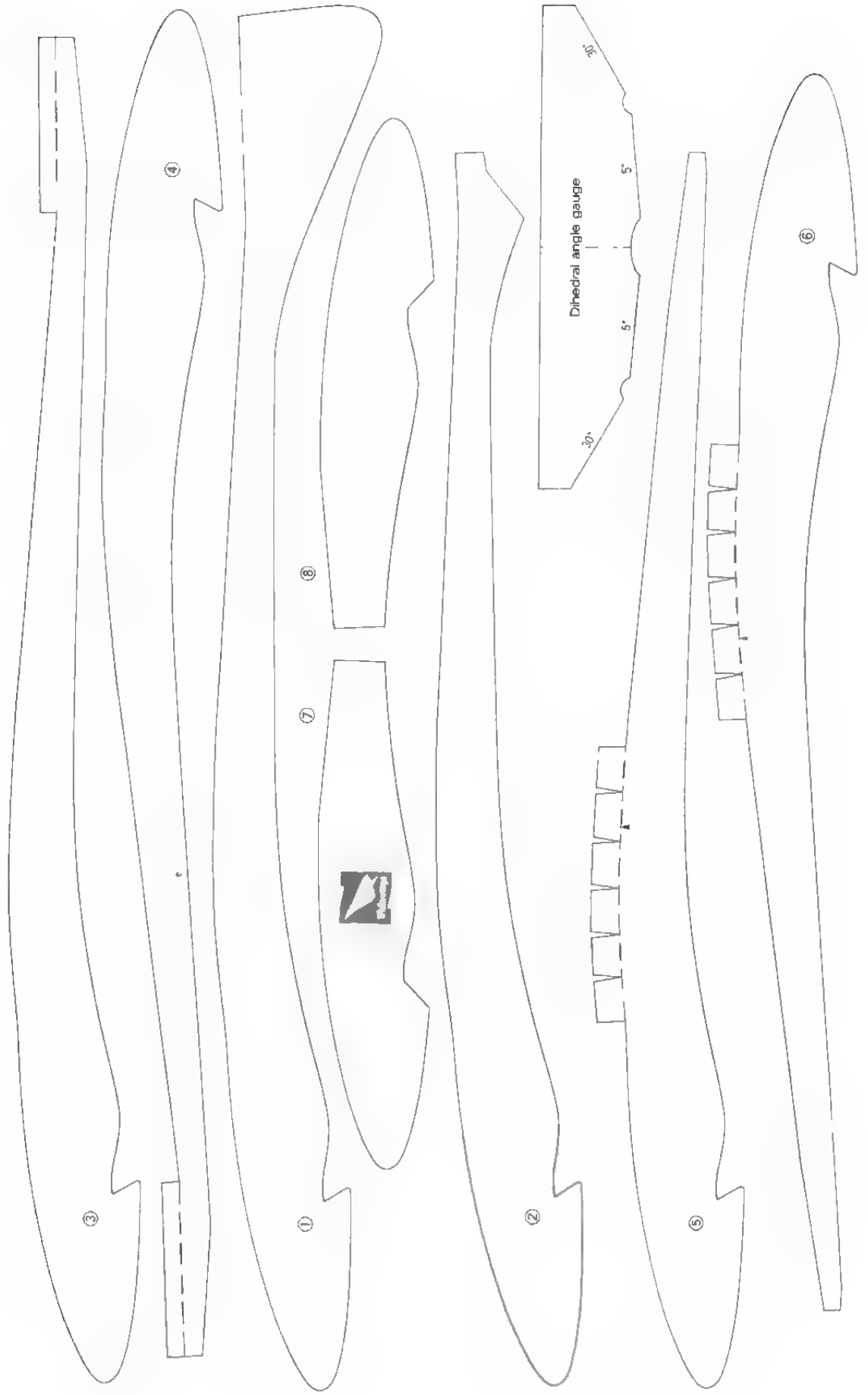




WhiteWings®

Racer 522 RICHARD

© 1988 Yasuaki Noriwa (All rights reserved. Reproduction prohibited.)



Dihedral angle gauge

30°

5°

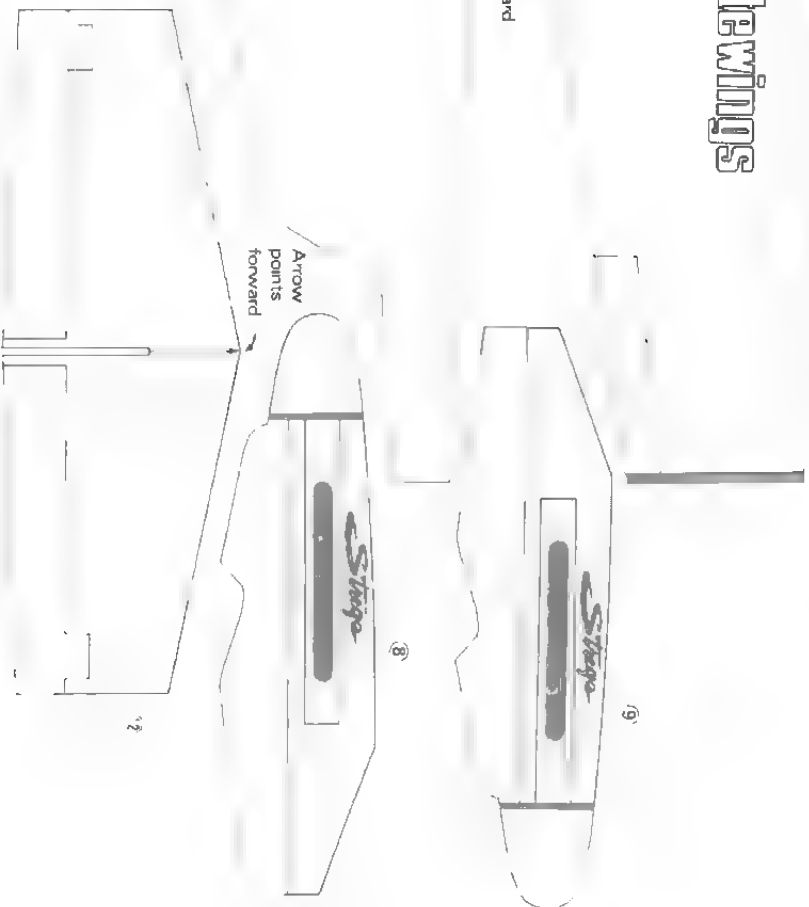
5°

Whitewings

Arrow points forward

Arrow points forward

Arrow points forward



Whitewings[®] "STREGA"

----- Fold with dashed line inside
↓ Arrows point forward



WhiteWings

NX-211

9

Arrow points forward

10

Arrow points forward

Fold with dashed line made
arrows point forward

Bend resistant
direction

WhiteWings
Spirit of St. Louis

NX-211



Weight
hole

②

Weight
hole

①

Weight
hole

④

③

Weight
hole

⑤

Weight
hole





③

④



Arrow points forward
②



Cut along the solid lines to the dashed line
and fold the tab outward.



⑦



Arrow points forward
④



⑥

Cut along the solid lines to the dashed line
and fold the tab outward.



Whitewings[®]

Wright FLYER

----- Fold with dashed line inside.
↑ Arrows point forward



© 1986 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)



Cut this part out.

①

Cut this part out.

②

Cut this part out.

③

⑬

⑭

⑮

⑯



Arrow points forward.

10

Arrow points forward.

11

13

Center guidelines

Arrow points forward.

WhiteWings

18

Arrow points forward.

9

WhiteWings[®] Wright FLYER

Arrows point forward.

Bend-resistant
direction

© 1986 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)



Weight
hole

③



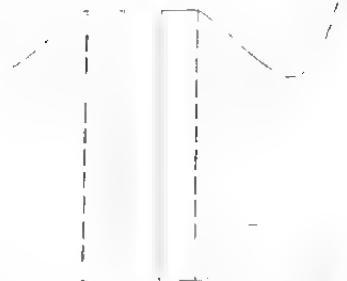
②③



②②

Weight
hole

②



⑪



White Wings® Bi-plane

©1980 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)

— Fold with dashed line inside
Arrows point forward



8

Arrow points forward.

WhiteWings

9

Landing gear strut position mark



Landing gear strut position mark



14

17

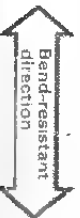
6

15

WhiteWings®

Bi-plane

Fold with dotted line outside
Fold with dashed line inside
Arrows point forward.



Weight
hole

④

⑥

Weight
hole

①

Arrow points forward.

⑩

⑤

Weight
hole

⑦

②①

⑧

②①

⑧



Dihedral angle gauge for main wing
 WINNIE MAE
 Angle gauge for landing gear strut
 20°

20

WhiteWings

NR-105-W

Arrow points forward.

Arrow points forward.

front

WhiteWings®
 WINNIE MAE

Fold with dashed line inside.
 Arrows point forward.

Bend-resistant
 direction

© 1986 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)

NR-105-W

Winniemae

13

16

13

16

10

Weight
hole

②

⑥

Weight
hole

①

Arrow points forward.

⑦

⑫

Arrow points forward.

③

Weight
hole

⑪

THE
WINNIE MAE
RECREATION



⑤

Weight
hole

THE
WINNIE MAE
RECREATION



④

Weight
hole

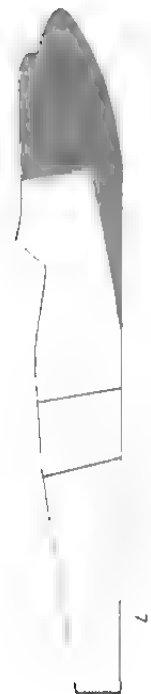


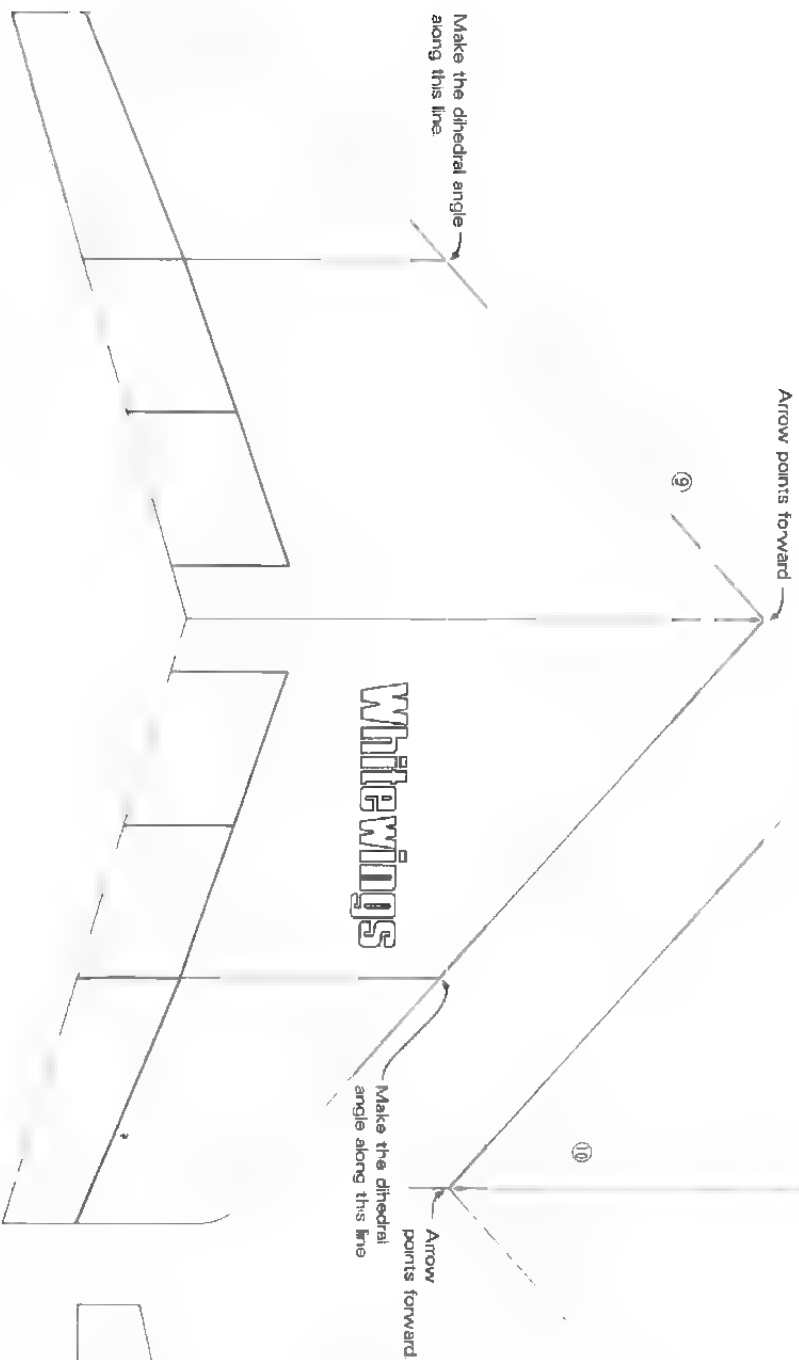
WhiteWings[®]

McDonnell Douglas PHANTOM II

----- Fold with dashed line inside
↑ Arrow points forward







↑ Arrows point forward.



WhiteWings[®] McDonnell Douglas PHANTOM II

Arrow points forward.

12

Dots toward the front.

WhiteWings

8

Dots toward the front

10

11

9

WhiteWings

WhiteWings®

Racer 513 Meadowlark

↑ Fold with dashed line inside.
Arrows point forward.





Arrow points forward.



Dots toward the front

WhiteWings

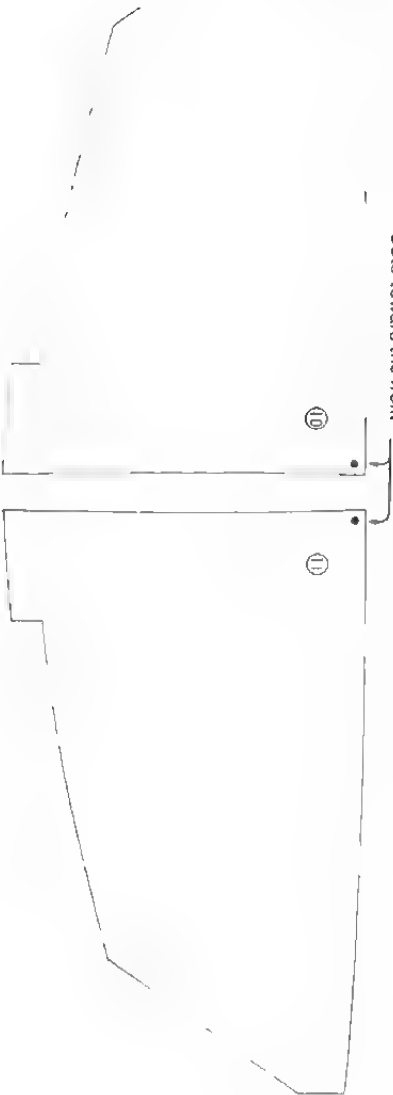
8

9

Dots toward the front

10

11



WhiteWings

WhiteWings®

Racer 512 Finch

----- Fold with dashed line inside.
↑ Arrows point forward.



© 1986 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Weight hole

Weight hole

④

⑥

⑦



Weight hole

①

Weight hole

②

Weight hole

③

Dihedral angle gauge

15°

15°

⑬

⑭



Dihedral angle gauge

8 1 8

3

(2)

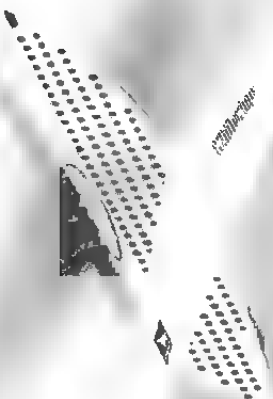
WhiteWings®

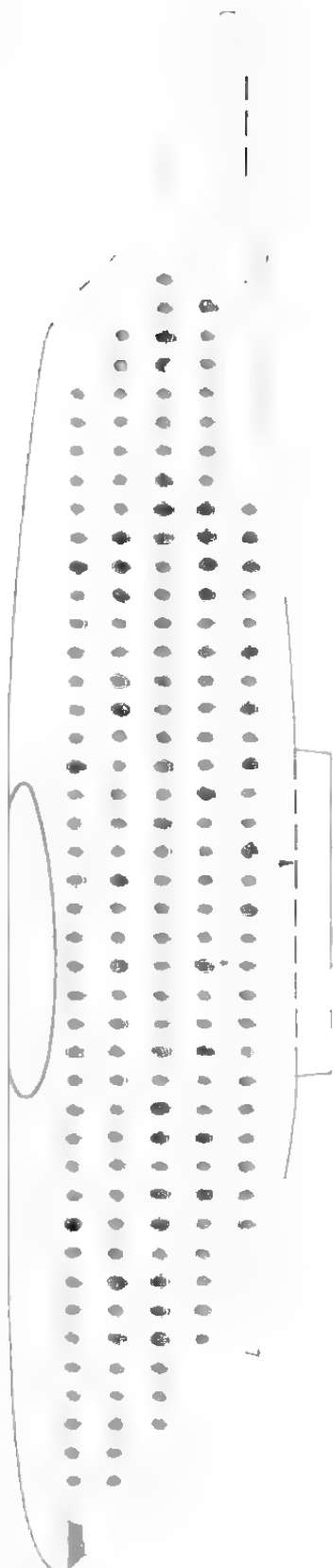
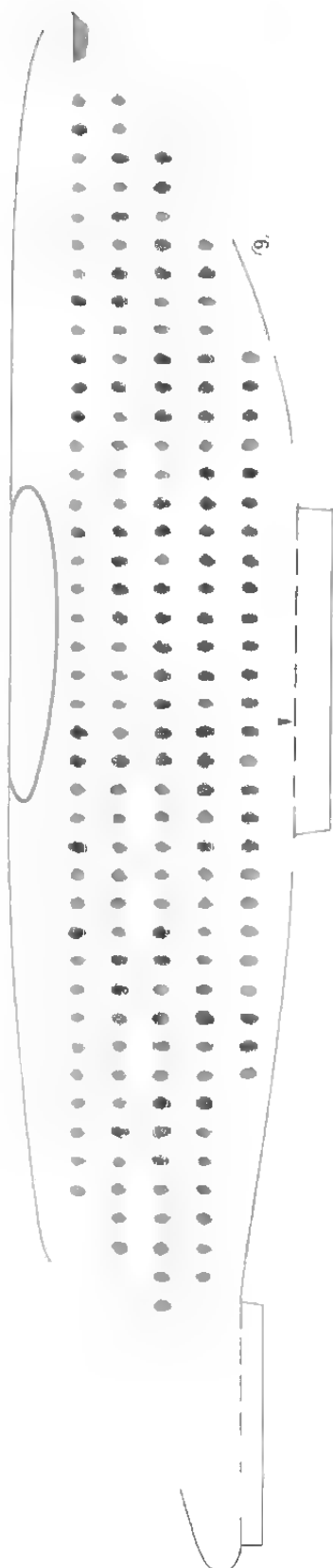
PANORAMA PLANE

↓
Fold with dashed line inside
Arrows point forward



© 1990 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)







WhiteWings

(8)

Arrow points forward

Arrow points forward.

(9)

Arrow points forward

(13)

(12)

Cut along the solid lines up to the dashed line.

Arrow points forward.

Cut along the solid lines up to the dashed line.

(11)

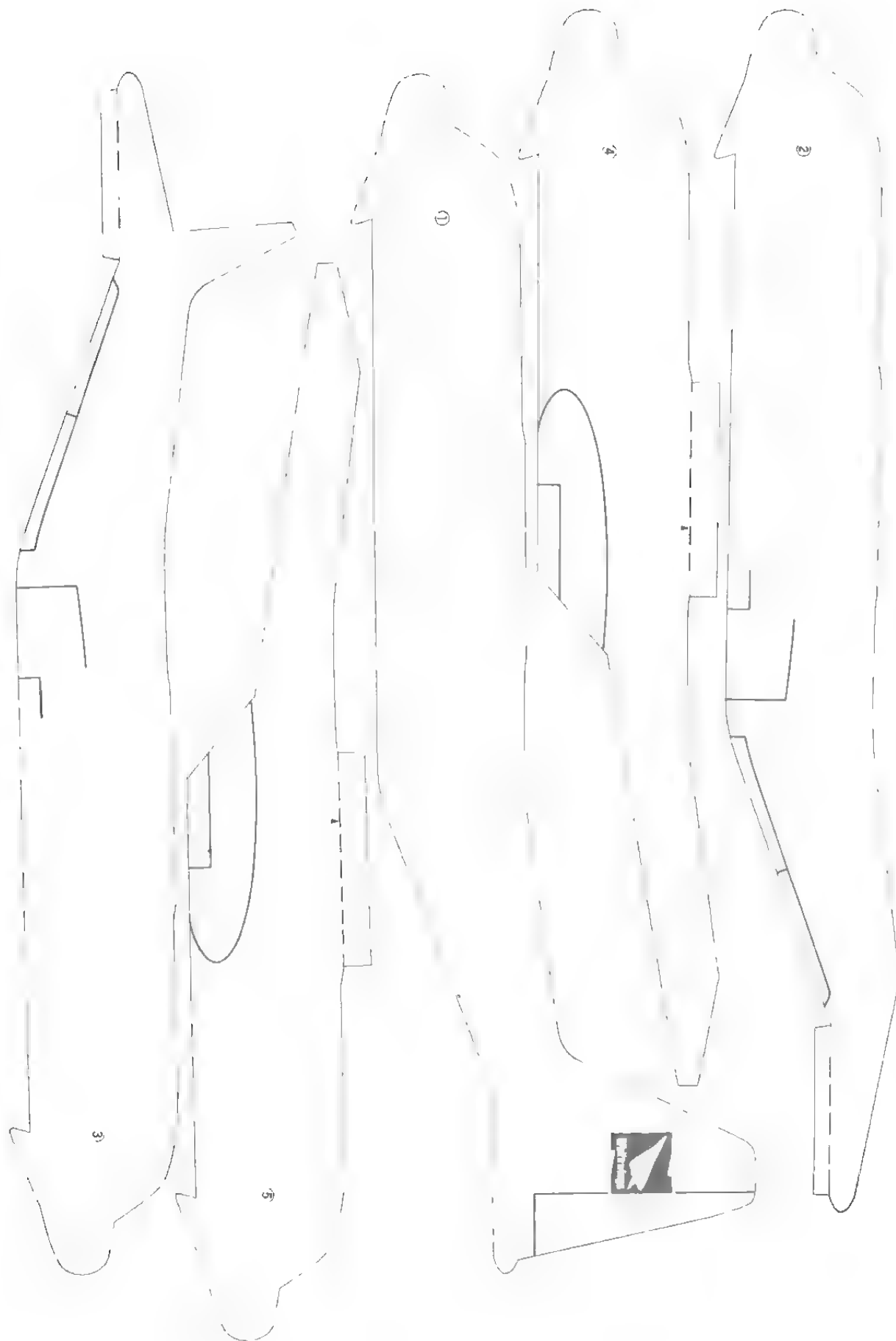
Arrow points forward

Arrow points forward.

..... Fold with dotted line outside
----- Fold with dashed line inside
↑ Arrows point forward



WhiteWings® PANORAMA PLANE



Arrow points forward.

WhiteWings

⑧

Arrow points forward.

⑨

Arrow points forward.

⑩

13°

13°

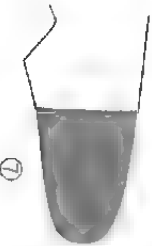
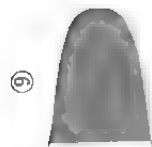
Dihedral angle gauge

--- Fold with dashed line inside.
+ Arrows point forward.



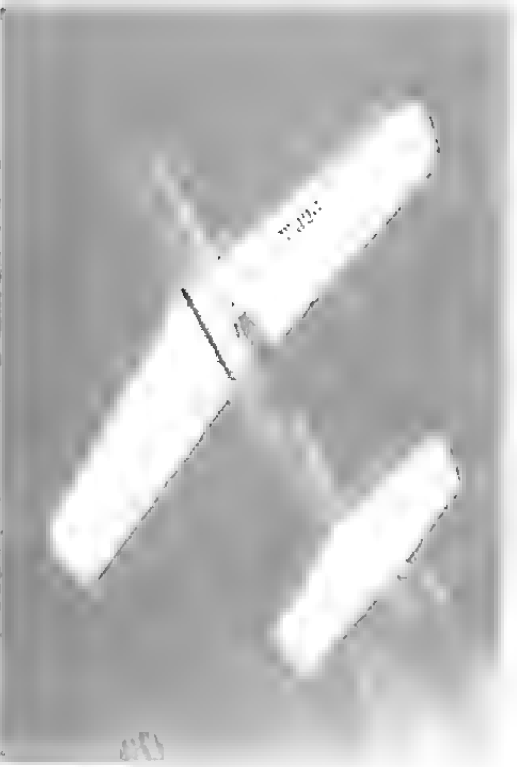
WhiteWings®
Light Plane 304 THRASHER

© 1986 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)





Arrow points forward
(9)

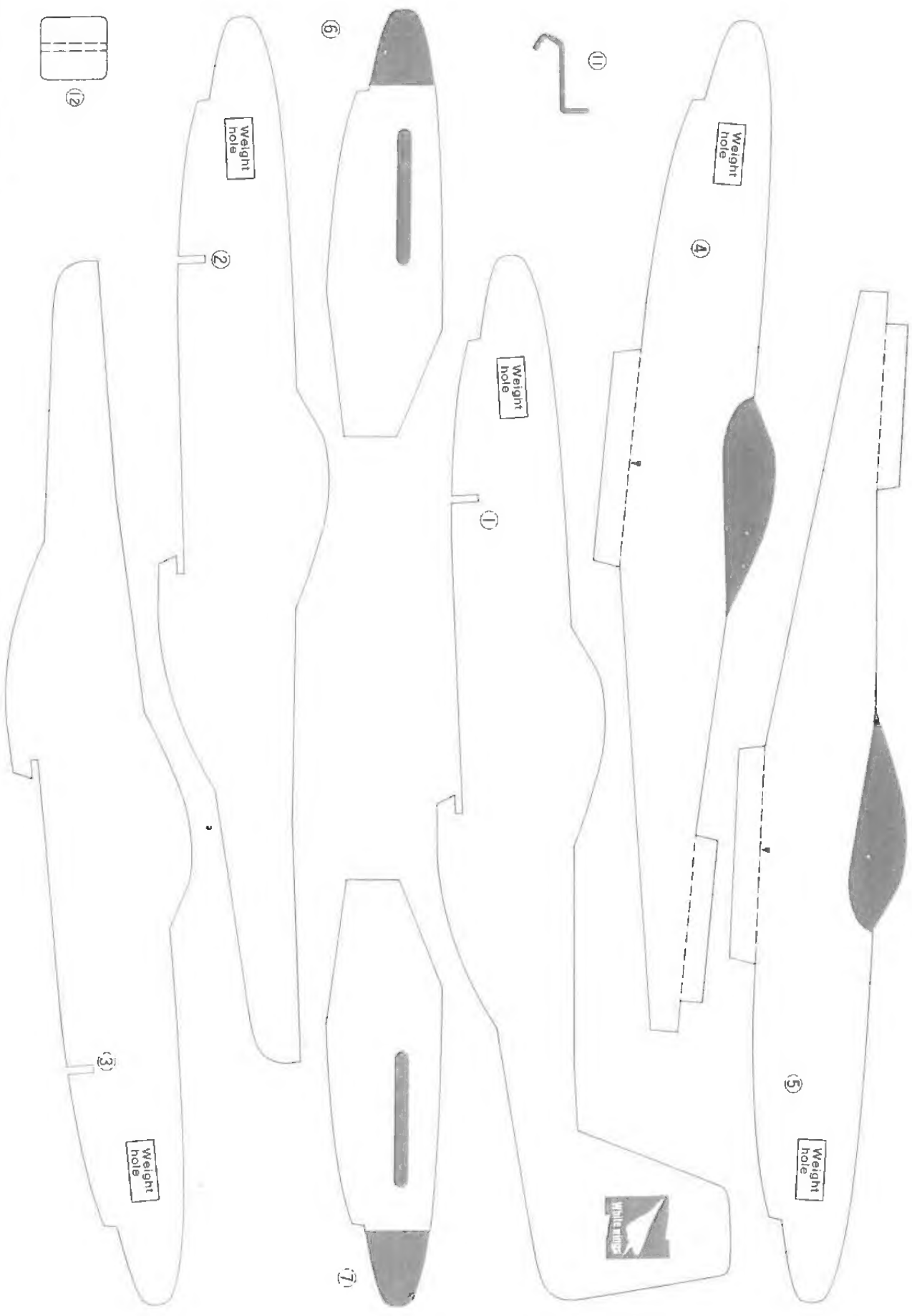


White Wings[®]
P-51D MUSTANG

----- Fold with dashed line inside
↑ Arrows point forward



©1980 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)





Make three
creases
along the
dashed lines

Arrow
Points
forward



Then fold up along the
dashed line at a 90° angle.

7

a First cut out the
dashed line.

c After folding, turn
along the solid line.

4

Arrow
points
forward.

Arrow points forward.

Fold the tab along this
dashed line.

5

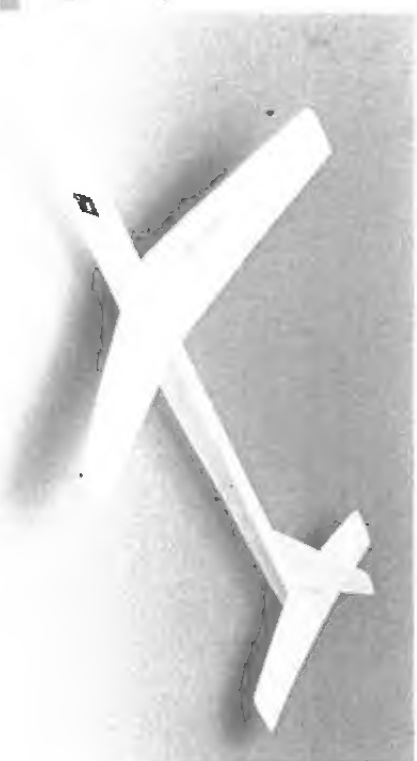
Fold with dashed line inside.
Arrows point forward.

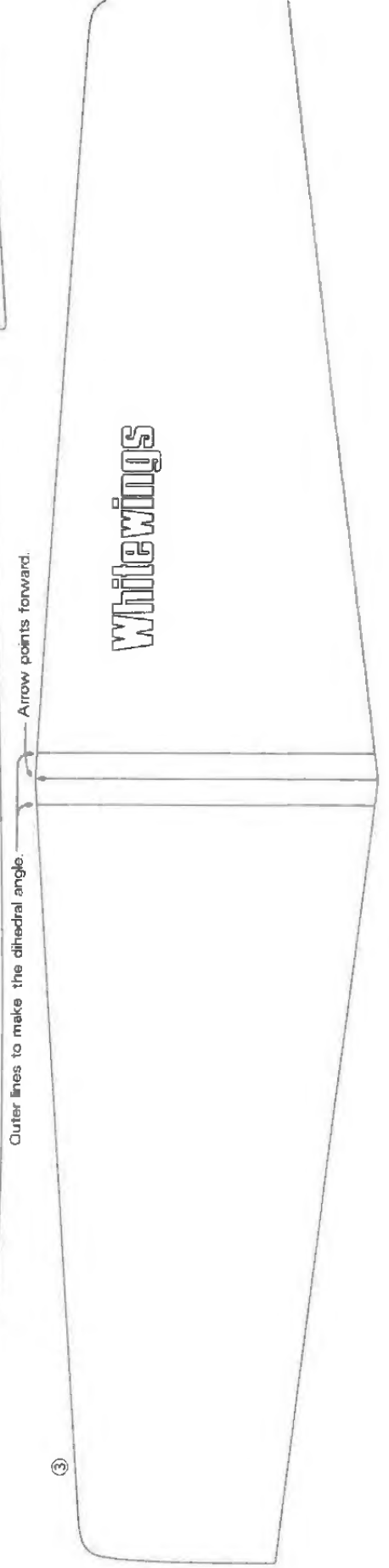
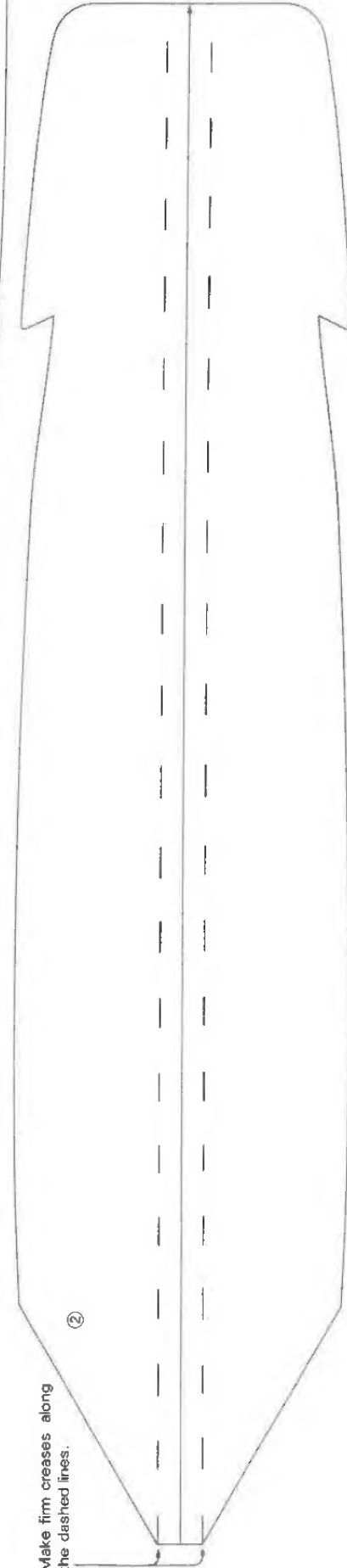
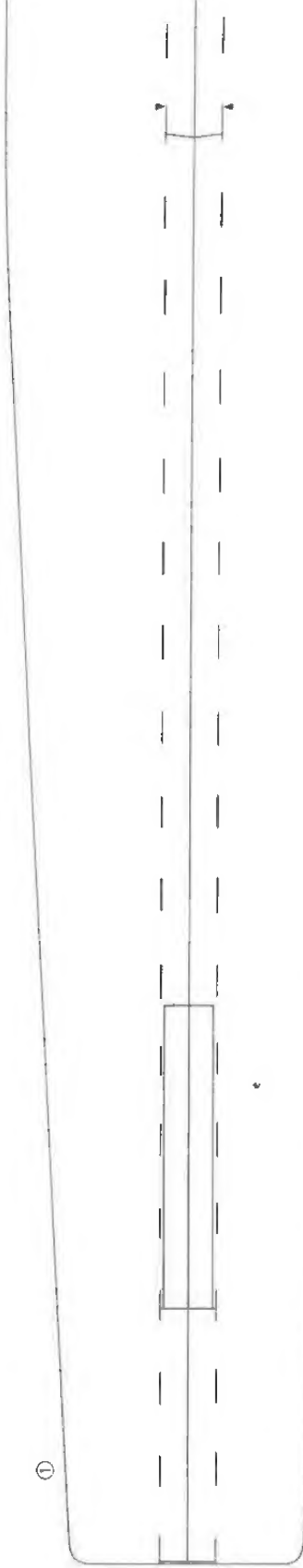


White Wings®

Trilinear 702 RICKENBACKER

© 1988 Yasuaki Ninomiya (All rights reserved. Reproduction prohibited.)





1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities related to the project.

2. It then outlines the various methods used to collect and analyze data, including interviews, surveys, and focus groups.

3. The next section describes the results of the data collection and analysis, highlighting the key findings and trends.

4. Finally, the document concludes with a summary of the overall findings and recommendations for future research.

5. The document is organized into several sections, each focusing on a specific aspect of the research process.

6. The first section provides an overview of the research project and its objectives.

7. The second section details the methods used to collect and analyze data, including interviews, surveys, and focus groups.

8. The third section presents the results of the data collection and analysis, highlighting the key findings and trends.

9. The fourth section discusses the implications of the findings and provides recommendations for future research.

10. The document is written in a clear and concise style, using simple language and avoiding unnecessary jargon.

11. The document is well-organized and easy to read, with a clear flow of information from introduction to conclusion.

12. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

13. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

14. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

15. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

16. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

17. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

18. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

19. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

20. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

21. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

22. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

23. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

24. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

25. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

26. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

27. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

28. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.

29. The document is a well-written and informative piece of research that provides a clear and concise overview of the project and its findings.

30. The document is a valuable resource for anyone interested in learning more about the research process and the findings of this study.